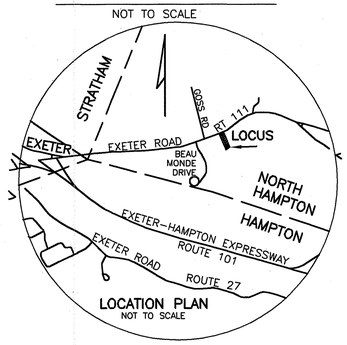
LOCUS MAP

NOT TO SCALE



LOCATION PLAN
NOT TO SCALE

SOIL CLASS: 32 BOXFORD, 33 SCITICO

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL ROOT APPLE EL 56.37

#2 SET NAIL BASE PINE EL 56.66

#3 SET NAIL BASE APPLE EL 59.40

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 59.0
2. THERE IS/ARE APPROX 0.7 FT ABOVE/BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

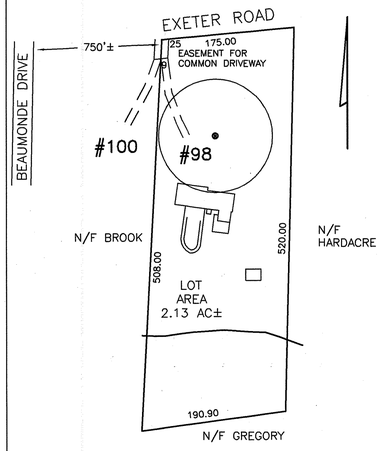
50 — EXISTING CONTOUR
(50) — PROPOSED CONTOUR
50.0 — EXISTING SPOT ELEVATION
(50.0) — PROPOSED SPOT ELEVATION

NOTES:

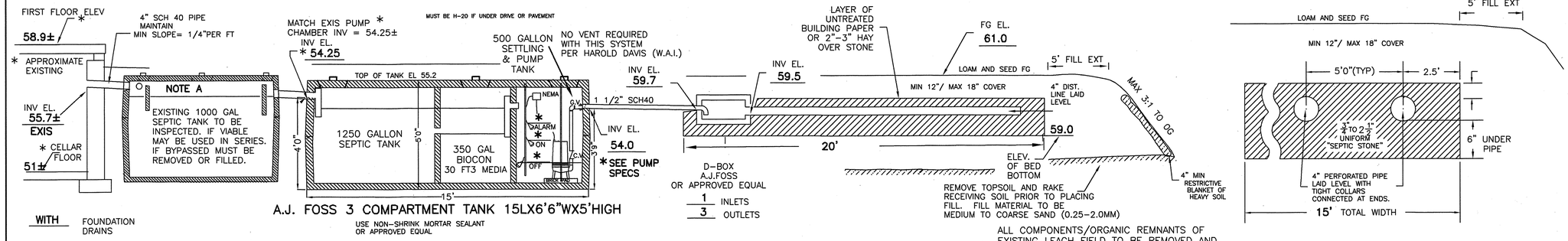
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

   RCRD PLAN D3837

2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #5876
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.



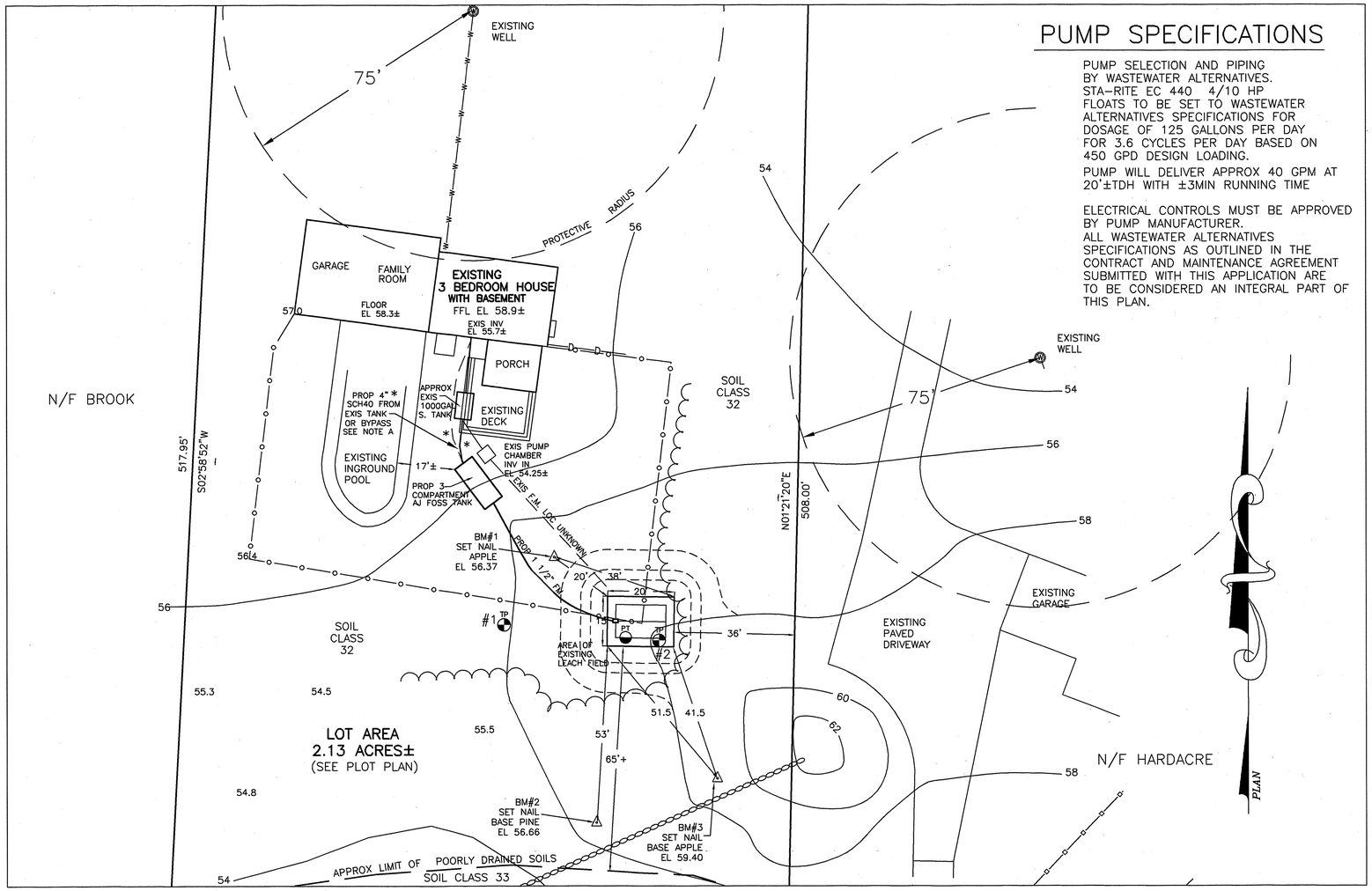
PLOT PLAN 1"= APPROX 100'


FIRST FLOOR ELEV
58.9±
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT
APPROXIMATE EXISTING
INV EL. 55.7± EXIS
CELLAR FLOOR 51±
NOTE A
EXISTING 1000 GAL SEPTIC TANK TO BE INSPECTED. IF VIABLE MAY BE USED IN SERIES. IF BYPASSED MUST BE REMOVED OR FILLED.
MATCH EXIS PUMP CHAMBER INV = 54.25±
INV EL. 54.25
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
500 GALLON SETTLING & PUMP TANK
NO VENT REQUIRED WITH THIS SYSTEM PER HAROLD DAVIS (W.A.I.)
TOP OF TANK EL 55.2
1250 GALLON SEPTIC TANK
350 GAL BIOCON 30 FT3 MEDIA
NEMA
ALARM
ON
OFF
INV EL. 54.0
SEE PUMP SPECS
4'-0"
5'-0"
15'
INV EL. 59.7
1 1/2" SCH40
INV EL. 59.5
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 61.0
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
20'
59.0
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
D-BOX A.J.FOSS OR APPROVED EQUAL
1 INLETS
3 OUTLETS
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
WITH FOUNDATION DRAINS
A.J. FOSS 3 COMPARTMENT TANK 15LX6'6"WX5'HIGH
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
ALL COMPONENTS/ORGANIC REMNANTS OF EXISTING LEACH FIELD TO BE REMOVED AND DISPOSED OF OFF–SITE PER STANDARD PRACTICE. TANKS RENDERED OBSOLETE MUST BE REMOVED, CRUSHED, OR FILLED.

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
6" UNDER PIPE
¾" TO 2½" UNIFORM "SEPTIC STONE"
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
15' TOTAL WIDTH

PLAN : 1"=20'



PUMP SPECIFICATIONS

PUMP SELECTION AND PIPING BY WASTEWATER ALTERNATIVES. STA–RITE EC 440 4/10 HP FLOATS TO BE SET TO WASTEWATER ALTERNATIVES SPECIFICATIONS FOR DOSAGE OF 125 GALLONS PER DAY FOR 3.6 CYCLES PER DAY BASED ON 450 GPD DESIGN LOADING.

PUMP WILL DELIVER APPROX 40 GPM AT 20'±TDH WITH ±3MIN RUNNING TIME

ELECTRICAL CONTROLS MUST BE APPROVED BY PUMP MANUFACTURER.
ALL WASTEWATER ALTERNATIVES SPECIFICATIONS AS OUTLINED IN THE CONTRACT AND MAINTENANCE AGREEMENT SUBMITTED WITH THIS APPLICATION ARE TO BE CONSIDERED AN INTEGRAL PART OF THIS PLAN.

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: APRIL 21, 2004

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 EL 55.90

0 –11"	10YR3/2 FINE SANDY LOAM GRANULAR FRIABLE
11–15"	10YR5/4 FINE SANDY LOAM GRANULAR FRIABLE
15–56"	2.5Y5/4 SILT LOAM, BLOCKY, FIRM BELOW 18"

ESHWT @ 12", ROOTS TO 24", OBS H20 @ 40" NO REFUSAL

TEST PIT #2 EL 58.30

0 –16"	10YR3/4 FINE SANDY LOAM GRANULAR FRIABLE
16–25"	10YR5/4 FINE SANDY LOAM GRANULAR FRIABLE
25–60"	2.5Y4/4 SILT LOAM BLOCKY FIRM

ESHWT @ 25", ROOTS TO 40", OBS H20 @ 58" NO REFUSAL

PT PERC TEST DATA

DATE 4/21/04

PERC RATE: 20 MIN/IN DEPTH: 20"

DESIGN LOADING: 3 BEDROOMS

AREA REQUIRED: 100 SF WITH AIT DESIGN

AREA PROPOSED: 15' X 20' = 300 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 98 EXETER ROAD
NORTH HAMPTON, NH

OWNER: MARK AND DIANE ANDREWS
98 EXETER ROAD
NORTH HAMPTON, NH 03862

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: MAY 30, 2004

APPROVAL: CA2004062967